

### ABSTRACT OF THE DISCLOSURE

Materials in the form of foam sheet comprising destructured or complexed starch expanded as a continuous phase, having a density lying between 20 and 150 kg/m<sup>3</sup>, cell dimensions in the range lying between 25 and 700 μm and with a cell distribution such that 80% of them have a dimension lying between 20 and 400 μm in the absence of stretching.

1. The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as  $\epsilon \rightarrow 0$ . It is shown that the solutions of the system (1) converge to the solutions of the system (2) in the sense of the weak convergence in the space  $L^2(\Omega; \mathbb{R}^n)$ .